



Notice to Navigation Interests

US Army corps
Of Engineers
Buffalo District
1776 Niagara Street
Buffalo, New York 14207-3199

Notice No.

Date

Waterway

Lake Erie, Ohio

LRB-TD-ONS

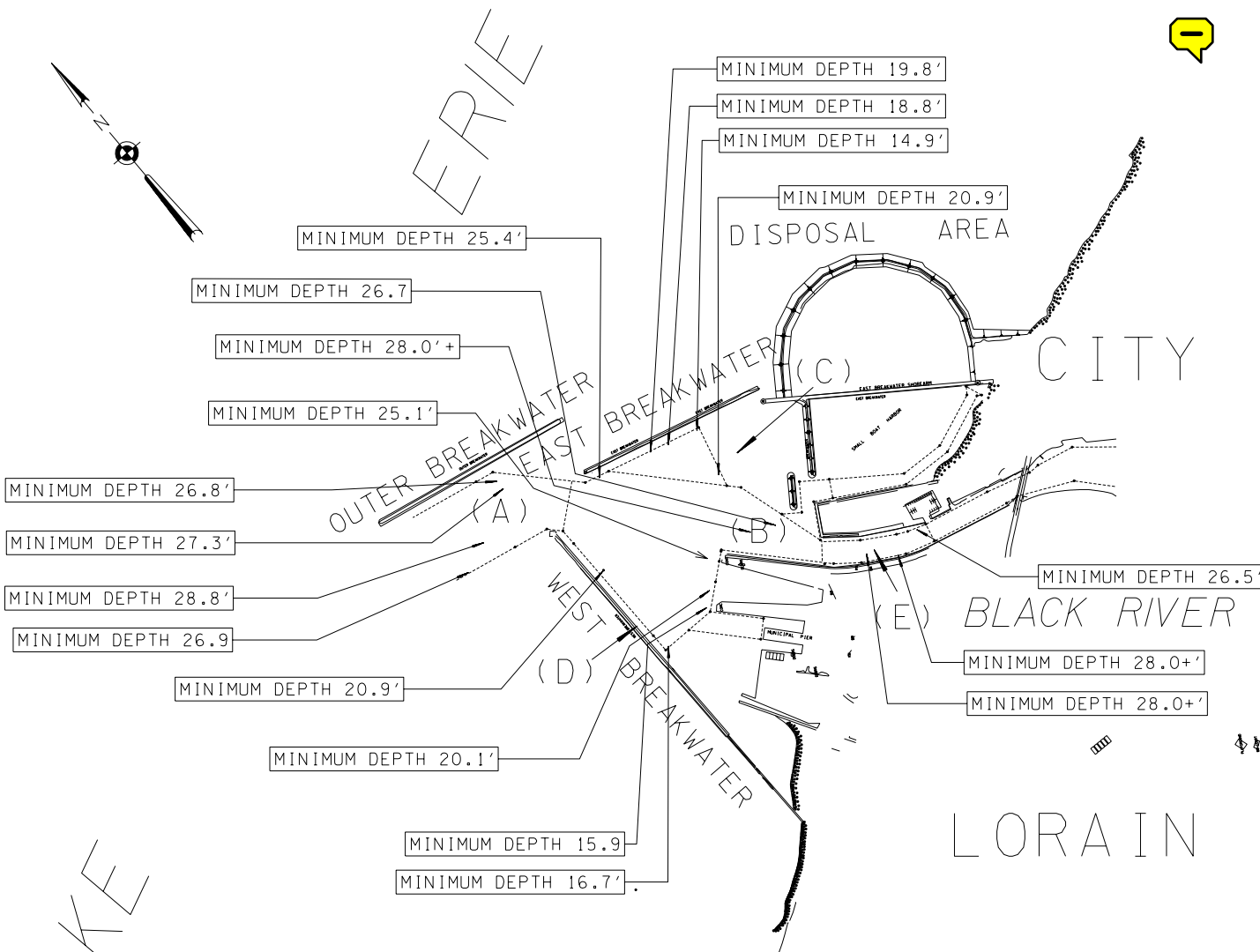
Condition of Federal Navigation Channel Lorain Harbor, Lorain, Ohio

1. Condition surveys performed within the Federal navigation Channel at Lorain Harbor, Ohio during the month of April 2004 indicate shoaling has reduced depths to those shown on the attached standard tabular form and channel condition drawings.
2. Soundings are in feet and referred to Low Water Datum (LWD) 569.2 feet above Mean Water Level (MWL) at Rimouski, Quebec (International Great Lakes Datum 1985).
3. Vessel operators are advised to use caution when navigating in this area.
4. Copies of the sounding print for Lorain Ohio consisting of (2) sheets, 04S-LOR-1/1 thru 1/2, at a cost of \$2.50 per sheet will be furnished upon receipt of a check in the full amount made payable to: United States Army Engineer District, Buffalo. Requests should be addressed to: District Commander, U.S. Army Engineer District, Buffalo, ATTN: NY/PA O&M Office, 1776 Niagara Street, Buffalo, New York 14207, requesting exact number or copies of sheets by file number. A point of contact and phone number must be indicated to facilitate response to the request. To obtain the Metadata and CADD files and view a color version of this map, point your web browser to <http://www.lrb.usace.army.mil/waterways/survey/survey.html>. Click on the link "SURVEY SECTION" to send a message containing your request.
5. Buffalo district's point of contact in reference to the exact number of sheets, file number, and the availability of any later information pertaining to the area is Mr. Kelly L. Maccarone, Chief of the Survey Section, Buffalo District, and may be contacted by phone at 716-879-4285.

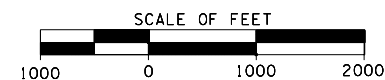
WILLIAM H. TOWNSEND, P.E.
Chief, NY/PA Navigation and
Maintenance Section

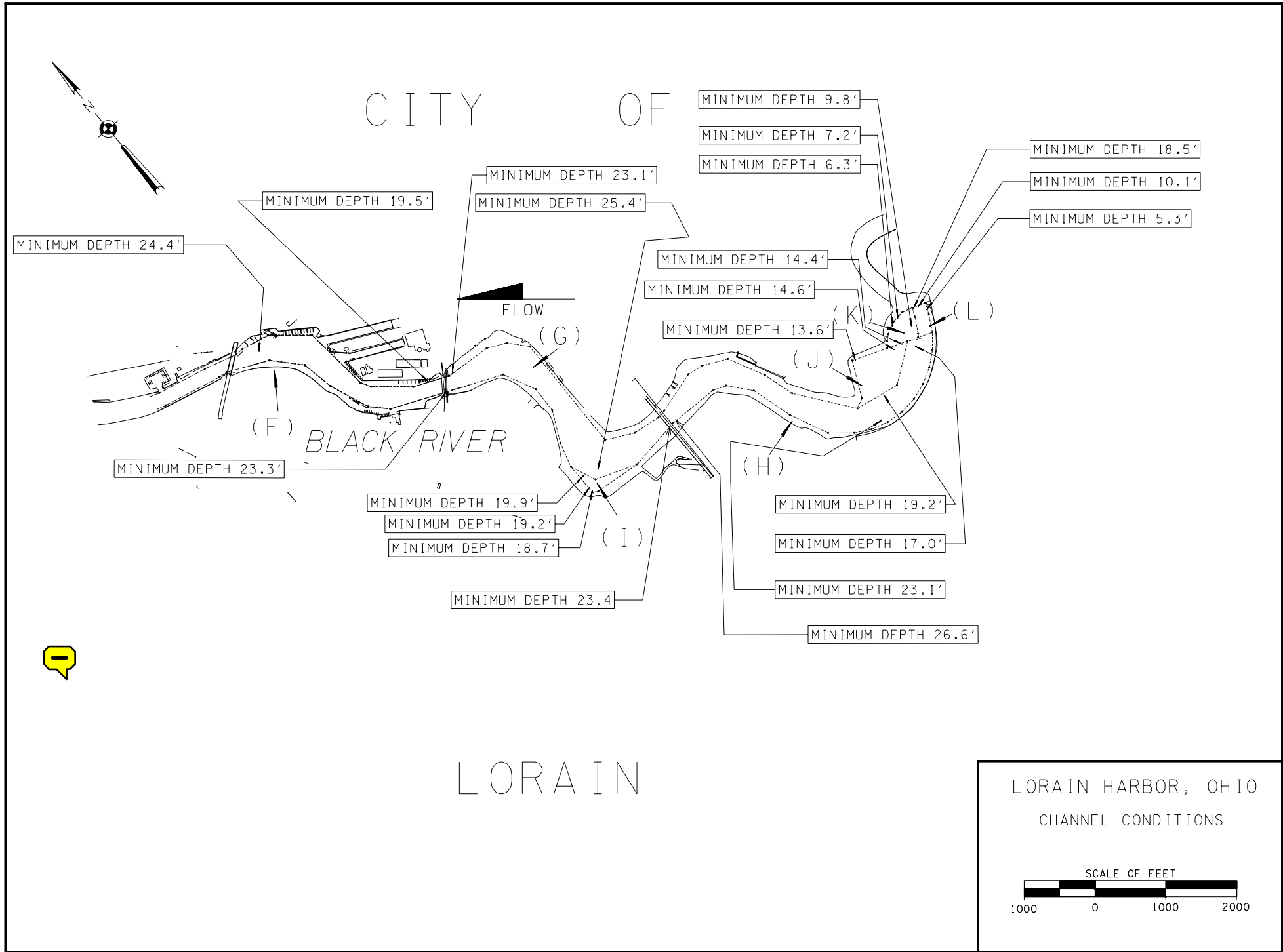
REPORT OF CHANNEL CONDITIONS (FOR CHANNELS LESS THAN 400 FEET WIDE) (ER-1330-2-316)					PAGE 2 OF 7 PAGES			
					DATE			
TO: ACCOMPANY LOCAL NOTICE TO NAVIGATION INTERESTS, DATED			FROM: U.S. ARMY CORPS OF ENGINEERS, BUFFALO DISTRICT 1776 NIAGARA STREET, BUFFALO, NY 14207-3199 (716) 879-4292 FAX (716) 879-4356					
RIVER/HARBOR NAME AND STATE LORAIN HARBOR, LORAIN HARBOR, OHIO					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (feet)	DEPTH (feet)				
SHALLOWEST DEPTHS AS PER DRAWING					1	2	3	4
(A) LAKE APPROACH CHANNEL.	APRIL 2004	800-525	2000 (a)	29	26.8	27.3	28.8	26.9
(B) OUTER HARBOR.	APRIL 2004	800-200	2700 (b)	28	25.4	26.7	28.0+	25.1
(C) EAST MOORING AREA.	APRIL 2004	0-580*	1250 (b)	25	14.9	18.8	19.8	20.9
(D) WEST MOORING AREA.	APRIL 2004	0-1000*	1550 (b)	25	20.9	20.1	15.9	16.7
REMARKS: * NOT FULLY MAINTAINED: (a) LENGTH VARIES DEPENDING ON THE LOCATION OF THE 29 FOOT CONTOUR IN LAKE ERIE. (b) IRREGULARLY SHAPED, WITH THE WIDTH VARYING. SEE PROJECT CONDITION DRAWINGS.								

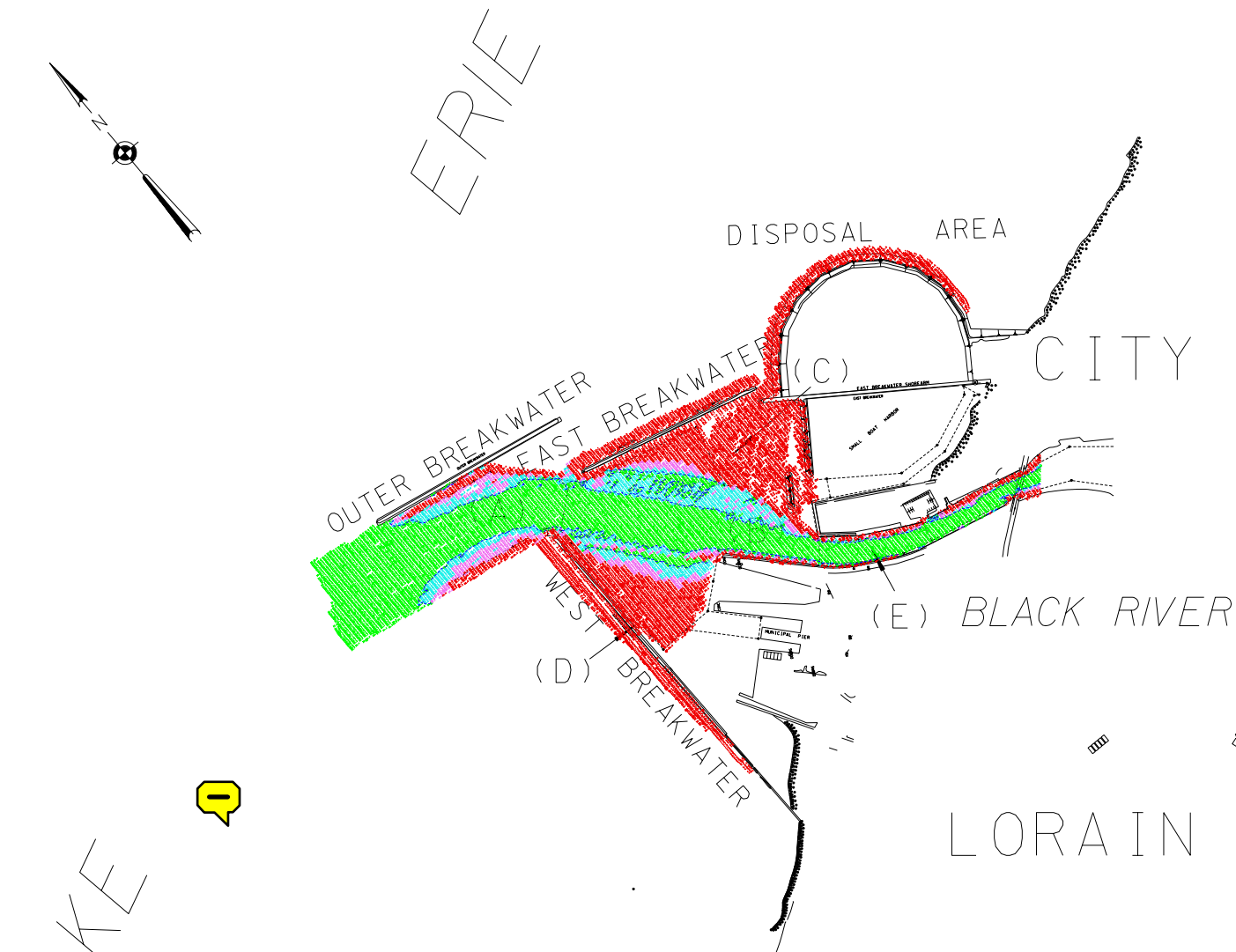
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RIVER/HARBOR NAME AND STATE LORAIN HARBOR, LORAIN, OHIO					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (feet)	DEPTH (feet)			
(E) BLACK RIVER CHANNEL FROM EAST PIER LIGHT TO 1000 FEET UPSTREAM.	APRIL 2004	220	1000	28	26.5	28.0+	28.0+
(F) BLACK RIVER CHANNEL FROM UPSTREAM END OF (E) TO N&W RAILROAD BRIDGE.	APRIL 2004	200-400	4400	27	19.5	24.4	23.3
(G) BLACK RIVER CHANNEL FROM N&W RAILROAD BRIDGE TO THE 21 ST STREET BRIDGE.	APRIL 2004	200-600	4100	27	23.1	25.4	23.4
(H) BLACK RIVER CHANNEL FROM 21 ST STREET BRIDGE TO WITHIN 400 FEET OF UPSTREAM PROJECT LIMITS.	APRIL 2004	200-400	4800	27	19.2	17.0	23.1
(I) LOWER TURNING BASIN.	APRIL 2004	0-200	1000 (b)	20	19.9	19.2	18.7
(J) UPPER TURNING BASIN.	APRIL 2004	0-700	1200 (b)	21	13.6	14.6	14.4
(K) UPPER TURNING BASIN.	APRIL 2004	0-400	600 (b)	17	6.3	7.2	9.8
(L) BLACK RIVER CHANNEL, UPSTREAM 400 FEET.	APRIL 2004	200	400	24	18.5	10.1	5.3
REMARKS: (b) IRREGULARLY SHAPED, SEE PROJECT CONDITION DRAWINGS.							



LORAIN HARBOR, OHIO
CHANNEL CONDITIONS







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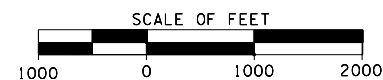


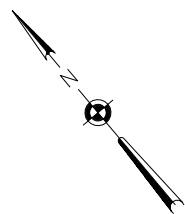
LORAIN

LEGEND

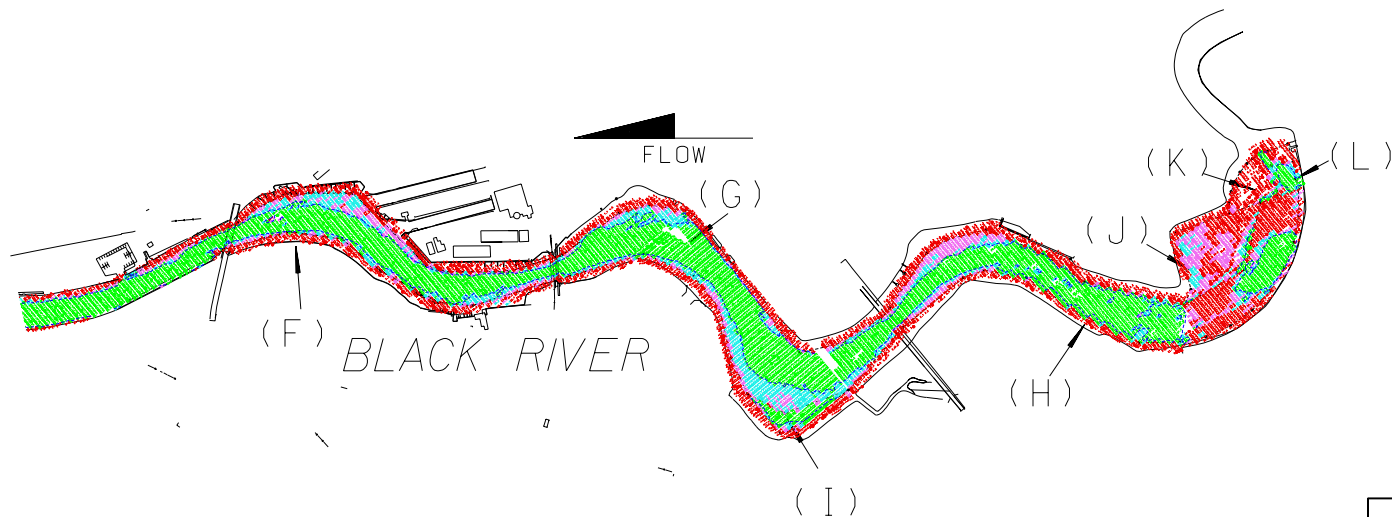
	DEPTHS 2.0' OR MORE
	DEPTHS 1.1' TO 2.0'
	DEPTHS 0.1' TO 1.0'
	DEPTHS AT OR BELOW

LORAIN HARBOR, OHIO
CHANNEL CONDITIONS





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BLACK RIVER

LORAIN

LEGEND

- DEPTHS 2.0' OR MORE ABOVE PROJECT DEPTH
- DEPTHS 1.1' TO 2.0' ABOVE PROJECT DEPTH
- DEPTHS 0.1' TO 1.0' ABOVE PROJECT DEPTH
- DEPTHS AT OR BELOW PROJECT DEPTH

LORAIN HARBOR, OHIO
CHANNEL CONDITIONS

